

Dual Completion

FILE NOTATIONS

Entered in NID File

✓

Entered On S R Sheet

7 ✓

Location Map Pinned

✓

Card Indexed

✓

IWR for State or Fee Land

Checked by Chief

PMB

Copy NID to Field Office

✓

Approval Letter

Disapproval Letter

COMPLETION DATA:

Date Well Completed

11-14-82

Location Inspected

OW _____ WW _____ TA _____

Bond released

BW ✓ OS _____ PA _____

State of Fee Land

LOGS FILED

Driller's Log 12-17-82

Electric Logs (No. 1-2)

E _____ L _____ EI _____ GR _____ GR-N ✓ Micro _____

Lat _____ NGL _____ Sonic _____ Others Cement Location Log

* Connected to pipeline December 1962

COMPANY Sinclair Oil and Gas Company

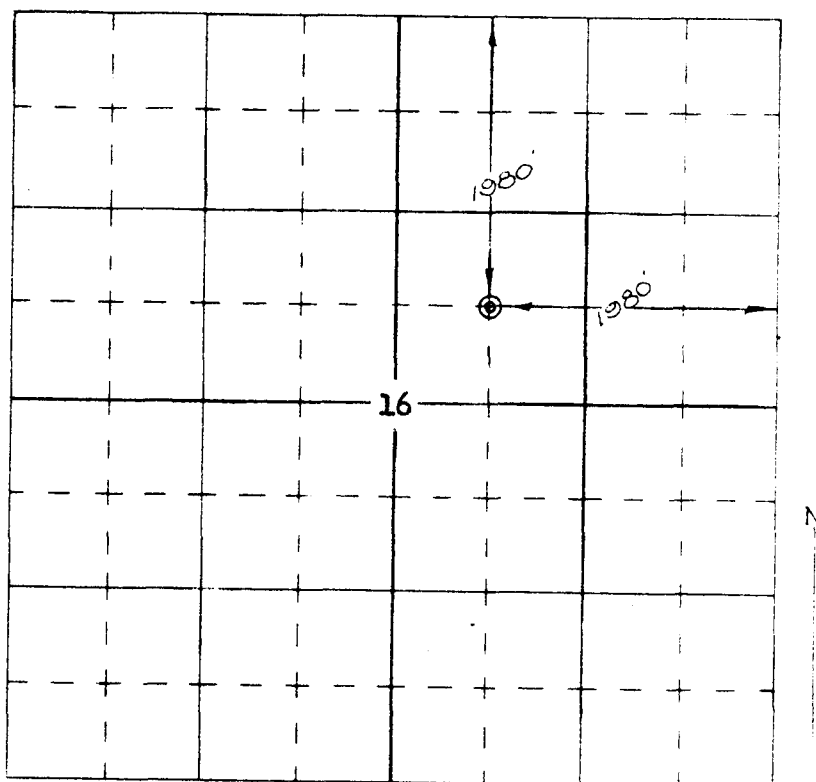
Well Name & No. _____ Lease No. _____

Location 1980' from the North line and 1980' from the East line

Being in SW $\frac{1}{4}$ NE $\frac{1}{4}$

Sec. 16, T16^S, R25^E, ~~N.M.P.M.~~, S.L.M., Grand County, Utah

Ground Elevation 7644



Scale -- 4 inches equals 1 mile

Surveyed August 10, 1962

This is to certify that the above plat was prepared from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.

Seal:

Four States Oil Field Surveys
Farmington, New Mexico

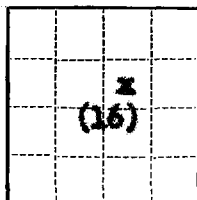
Ernest V. Echoshawk

Ernest V. Echoshawk
Registered Land Surveyor

~~N. M. Reg. #1545~~

Utah Reg. No. 2611

Copy H. L. C.



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Salt Lake City
Lease No. MI-4113
Unit San Arroyo

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	<input checked="" type="checkbox"/>	SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

SAN ARROYO UNIT

October 4, 1962

Well No. 14 is located 1980 ft. from N line and 1980 ft. from E line of sec. 16

NE/4 Sec. 16 16S 25E Salt Lake
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
San Arroyo Grand Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the ~~1444/1444~~ ^{Surface} above sea level is 7644 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

The above location has been selected to test the Dakota and Cedar Mountain formations, the tops of which are anticipated at 5900 and 6035 ft. respectively.

We will run and cement (from top to bottom) 9-5/8" OD casing at approximately 300 ft. as surface pipe; we will run and cement 4-1/2" or 5-1/2" OD casing as the oil string.

We will drill this well with rotary tools.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Sinclair Oil & Gas Company
601 Denver Club Building
Address Denver 2, Colorado

By Morris E. Brown
M. E. Brown
Title Division Chief Clerk
Production Department

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Form approved
Budget Bureau No. 42-2358.5.

LAND OFFICE Salt Lake City
LEASE NUMBER
UNIT San Arroyo

LESSEE'S MONTHLY REPORT OF OPERATIONS

State UTAH County GRAND Field SAN ARROYO

The following is a correct report of operations and production (including drilling and producing wells) for the month of OCTOBER, 19 62 San Arroyo Unit

Agent's address 601 Denver Club Building Company Sinclair Oil & Gas Co.
Denver 2, Colorado

Phone AR 6-2461 Signed

Agent's title Division Chief Clerk
Production Department

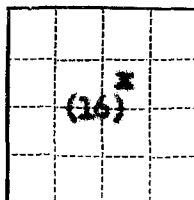
SEC. AND 1/4 OF 1/4	TWP.	RANGE	WELL NO.	DATE Produced	REMARKS ON OIL	Quantity	CU. FT. OF GAS (To Standard)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If used, so state)	REMARKS (If drilling, depth; if shut down, cause; date and results of test for gasoline content of gas)
SW/4 (Lease #U-0370-A) Sec. 22	16S	25E	13							At PB depth 6189' Completed Dual Shut- In Gas Well in Morrison & Dakota formations 10-7-62
NE/4 (Lease #U-4113) Sec. 16	16S	25E	14							Spud. 10-9-62. At PB depth 6510' testing.
SW/4 (Lease #U-025244) Sec. 21	16S	25E	15							Spud 10-21-62. Drilling at 3464'.
SW/4 (Lease #U-0369) Sec. 26	16S	25E	16							Spud. 10-11-62. At total depth 4932' waiting on completion rig.

Note.—There were NO runs or sales of oil; NO M cu. ft. of gas sold;

NO runs or sales of gasoline during the month. (Write "no" where applicable.)

Note.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

Copy H.L.C.



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Salt Lake City

Lease No. ML-4113

Unit San Arroyo

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY	XX
NOTICE OF INTENTION TO ABANDON WELL	NOTICE OF CEMENTING CASING	

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

SAN ARROYO UNIT

October 16, 1962

Well No. 14 is located 1980 ft. from N line and 1980 ft. from E line of sec. 16

N 1/4 Sec. 16
(1/4 Sec. and Sec. No.)

16S
(Twp.)

25E
(Range)

Salt Lake
(Meridian)

San Arroyo
(Field)

Grand
(County or Subdivision)

Utah
(State or Territory)

Surface

The elevation of the Surface above sea level is 7644 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

- 10-9-62 Spudded at 3:30 A.M. 10-9-62.
- 10-10-62 Cemented 9-5/8" OD casing at 322 ft. with 300 sacks cement. Plug down at 4:30 A.M.
- 10-10-62. Tested casing at rate of 500# for 30 minutes. Tested OK.
- 10-14-62 Drilled to 3334', without dusting, flow out by heads account wtr. Attempted pull out & drill pipe stuck at 2364'.
- 10-15-62 Top fish 2104', bottom 2364', basked off top collars, left 9 collars in hole. Attempted to run overshot, hit bridge at 1350', pulled out of hole, ran bit. Mud up hole, bit plugged while conditioning. Re-ran bit to condition hole.
- 10-16-62 Top Fish 2069', Jarred 13 hrs. moved up 35', prepare run washover pipe.
- 10-17-62 Washed over drill collars. Backed off & recovered 3 drill collars. Prepare wash-over. Top fish at 2159'.

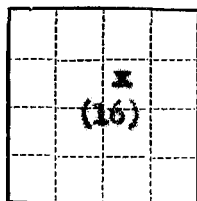
I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company SINCLAIR OIL & GAS COMPANY
601 Denver Club Building
Address Denver 2, Colorado

By Morris E. Brown
M. E. Brown
Title Division Chief Clerk
Production Department

(SUBMIT IN TRIPLICATE)

Budget Bureau No. 42-R358.4.
Form Approved.



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Salt Lake City
Lease No. HL-4113
Unit San Arroyo

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF	
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NOTICE OF INTENTION TO ABANDON WELL	NOTICE OF CEMENTING CASING	XX

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

SAN ARROYO UNIT

October 25, 1962

Well No. 14 is located 1980 ft. from N line and 1980 ft. from E line of sec. 16

NE/4 Sec. 16
(1/4 Sec. and Sec. No.)

16S
(Twp.)

25E
(Range)

Salt Lake
(Meridian)

San Arroyo
(Field)

Grand
(County or Subdivision)

Utah
(State or Territory)

Surface

The elevation of the ~~1980~~ above sea level is 7644 ft.

DETAILS OF WORK

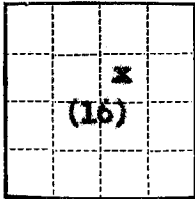
(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

- 10-18-62 Fishing for drill collars. Top fish 2154'. Washed over fish to 2274'. Running overshot.
- 10-19-62 Backed off 4 drill collars & recovered same. Conditioned hole. Ran jars & bumper sub. Working collars. Top fish 2290'.
- 10-20-62 Fished & recovered 2 drill collars. Conditioned hole. Running 7" casing.
- 10-21-62 At depth 4411'. Ran & cemented 7"OD casing at 3334' w/200 sacks 50-50 Pozmix & 75 sacks regular cement. Plug Down 10:30 A.M. 10-20-62.
- 10-24-62 At depth 6550'. Prepare run 4 1/2" casing. Flowing est., 3400 MCFFD. Top Morrison 6206'.
- 10-25-62 Ran & cemented 4 1/2"OD casing at 6549' with 300 sacks cement. Plug Down 12:01 A.M. 10-25-62. Waiting on completion rig.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Sinclair Oil & Gas Company
601 Denver Club Building
Address Denver 2, Colorado

By Morris E. Brown
M. E. Brown
Title Division Chief Clerk
Production Department



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Budget Bureau No. 42-R358.4.
Form Approved.

Land Office Salt Lake City

Lease No. HL-4113

Unit San Arroyo

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
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NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....	XX
NOTICE OF INTENTION TO ABANDON WELL.....	COMPLETION REPORT.....	XX

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

SAN ARROYO UNIT

November 14, 1962

Well No. 14 is located 1980 ft. from [N] line and 1980 ft. from [E] line of sec. 16

NE 1/4 Sec. 16 16S 25E Salt Lake
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
San Arroyo Grand Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the Surface ~~6415'~~ above sea level is 7644 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudlogging jobs, cementing points, and all other important proposed work)

- 10-26-62 Picking up tubing.
- 10-27-62 Perforated 6426-42' with 64 holes. Running tubing & packer, prepare swab.
- 10-28-62 Set packer at 6410', swabbed dry.
- 10-29-62 Acidized with 500 gals. NE, MP 3200#, Min. 1800#. Vac. 10 minutes. Swabbed & Kicked Off flowing at rate 250 MCFFPD.
- 10-30-62 Tested 250 MCFFPD for 6 hrs. Sandfrac treated perms. 6426-42' with 8,000# & 12,000 gals. acid water, broke at 3300-2400#, MTP 4200-3400 at 37 BPM. SIP 2900 to 0# in 10 minutes. Total load 478 bbls. Ran tubing with packer at 6415'. Swabbing load water 3 hrs., fluid level 3500.
- 10-31-62 Swabbed 16 hrs. Flowed 8 hrs. at 890 MCFFPD through 2" open tubing. Some water & sand.
- 11-1-62 At 6510'-PB. Tested 922 MCFFPD for 30 minutes, 425#, 26/64" choke. Perforated 6228-32', 6215-23', 6206-11" with 4 holes per ft. Ran junk basket. Prepare clean out sand. (See attached sheet)

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Sinclair Oil & Gas Company
601 Denver Club Building
Address Denver 2, Colorado

Morris E. Brown

By M. E. Brown
Title Division Chief Clerk
Production Department

San Arroyo Unit - Well #14
Supplementary Well History & Completion Report.

- 11-2-62 Swabbing load water 1 hr., cleaned out sand to 6510'. Set Model "D" packer at 6388'. Ran tubing with packer set at 6186'.
- 11-3-62 Fishing for wire line in tubing.
- 11-4-62 Recovered swab line.
- 11-5-62 Prepare fracture treat. Ran tubing with packer set at 6178'. Swabbed dry in 6 hrs., flowed approximately 100 MCFPD. Acidized perforations 6206-11', 6215-23' & 6228-32' with 750 gals. MP 3400#. Swabbed 4 hrs. Flowing at rate 1020 MCFPD through 2" tubing.
- 11-6-62 Fracture treated perms. 6206-11', 6215-23' & 6228-32' with 8,000# sand, 12,000 gals. gelled acid water. MP 3800#, Average treating pressure 2600#. Kicked off with gas flowing load water & gas, CP 200#.
- 11-7-62 Flowing gas at 1100 MCFPD for Dakota.
- 11-8-62 Flowed gas at 1450 MCFPD, 1" choke, tubing pressure 100#, from Dakota. Killed well cleaned out sand on top of packer.
- 11-9-62 Cleaned out sand with gas. Knocked off plug in packer. Killed well. Removing blow out preventer.
- 11-10-62 Flowing water & gas to pits to clean up.
- 11-11-62 Flowing water & gas to pits to clean up. Est. 500 MCFPD, TP 175#.
- 11-12-62 Flowing gas & water. Est 734 MCFPD, CP 650#, 2" open tubing.
- 11-13-62 Flowing 1136 MCFPD through 1" pipe, TP 105#, CP 275#.
- 11-14-62 Ran 201 jts. 2-3/8" tubing set in Model "D" packer at 6388'. Set Otis side door choke at 6354', 24 hr. COMPLETION TEST on Morrison perforations 6426-42', flowed at rate of 834 MCFPD, open 1" line, 25# FTP, 1 hr. SITP 800#. 24 hr. COMPLETION TEST on Dakota perforations 6206-11', 6215-23' & 6228-32', flowing at rate of 662 MCFPD, open 1" line, 15# FCP, 2 hr. SICP 550#. COMPLETED DUAL GAS WELL.

RECORD OF WELL NO. 14 San Arroyo Unit FARM
SEC 16 TWP. 16S RANGE 25E COUNTY OR PARISH Grand STATE Utah ACRES -
BLOCK _____ LOCATION OF WELL 1980' from the North line & 1980' from the
SURVEY _____ East line of section.

A 10x10 grid with a point labeled (16) and a label 'x' above it.

(SHOW ALL MEASUREMENTS FROM SURFACE LEVEL)

ELEVATION: SURFACE 7644 RIG FLOOR

LOCATION STAKED BY E. V. Echobawk DATE 8-10-62

DRILLING CONTRACTOR: Arapahoe Drilling Co.

KIND OF TOOLS USED, CABLE, FROM _____ TO _____

ROTARY, FROM 0 TO 6550

DATE DRILLING COMMENCED 10-9-62 COMPLETED 10-23-62

DATE COMPLETED TESTING 11-14-62 FIRST PRODUCTION Shut-In

TOTAL DEPTH 6550 PBTD 6510 METHOD OF PRODUCING Shut-In

1ST 24 HRS. NATURAL _____ AFTER SHOT OR ACID _____

24 HR. POTENTIAL AT COMPLETION --- OIL _____ WATER _____ CHOKE _____

ALLOWABLE PRODUCTION, PER DAY _____ PER CALENDAR DAY _____

API GRAVITY OF CRUDE OIL @ 60° F. _____ GOR _____

800#
1510 KIND OF MUD USED DURING COMPLETION _____

VOLUME 834 MCF/D Morrison CU. FT. 662 MCF/D Dakota Total 11496
 DEVIATION TESTS: Did not exceed State of Utah, United States Geological Survey or Company Limits.

HOLE SIZE BEHIND OIL STRING CSG	SIZE OF HOLE BELOW CSG
8-3/4"	

CORE RECORD: None NUMBER OF CORES DEPTH LAB. NUMBER

WAS ELECTRICAL LOG MADE No TOP BOTTOM SERVICE CO.
Current Location Log 10-26-62 2000 6502 McCullough

WAS RADIO-ACTIVE LOG MADE **10-26-62** TOP **5800** BOTTOM **6508** SERVICE CO. **McCullough**

TEMPERATURE SURVEY None INDICATED TOP OF CEMENT _____

SET WHIPSTOCKS AT None SPECIAL CEMENTING JOBS _____

PRODUCING FORMATIONS	TOP	BOTTOM	THICK.	PRODUCING FORMATIONS	TOP	BOTTOM	THICK.
1ST DAKOTA GROUP	5938	6300	362'	5TH			
2ND MORRISON	6300	6550	250'	6TH			
3RD				7TH			
4TH				8TH			

PERFORATION REPORT:

DATE	NO. HOLES	DEPTH	TO	SHOT	STATUS
10-27-62	64	6426	6442	Jet	Open
10-31-62	16	6228	6232	Jet	Open
	32	6215	6223	Jet	Open
	20	6206	6211	Jet	Open

SHOT REPORT—COMPANY	DATE	QUARTS	SIZE & LENGTH	ANCHOR	SHOT BETWEEN
1. None					FT. FT.
2.					FT. FT.

TREATED — ACID — FRACTURES, ETC.

TREATED — ACID — FRACTURES, ETC.									
FROM		TO		TYPE TREATMENT	GALLONS OR BARRELS	SAND POUNDS	LOAD - BBLs.	MAX. & MIN. PRES.	NET OIL REC.
6426	FT.	6442	FT.	Acid	500 Gals.			3200-1800	-
6426	FT.	6442	FT.	Sandfrac	12,000 gals. AW	8,000#	478 BW	4200-3400	-
6206	FT.	6232	FT.	Acid	790 Gals.			3400-Unk.	-
6206	FT.	6232	FT.	Sandfrac	12,000 gals. AW	8,000#	Unk.	3800-Unk.	-
	FT.		FT.						
	FT.		FT.						
	FT.		FT.						
	FT.		FT.						
	FT.		FT.						

CASING, TUBING AND SUCKER RODS

[illegible]

DEC 17 1962



UTAH
NATURAL RESOURCES
Oil, Gas & Mining

355 West North Temple, 3 Triad Center, Suite 350, Salt Lake City, UT
84180-1203. • (801-538-5340)

DOGM 56-64-21
an equal opportunity employer

Page 3 of 6

MONTHLY OIL AND GAS PRODUCTION REPORT

012920

Operator name and address:

• ARCO OIL & GAS COMPANY
P O BOX 1610
MIDLAND TX 79702
ATTN: REVENUE ACCT/JEFF DECKER

Utah Account No. N0080

Report Period (Month/Year) 12 / 86

Amended Report ☐

Well Name	Producing	Days	Production Volume		
API Number Entity Location	Zone	Oper	Oil (BBL)	Gas (MSCF)	Water (BBL)
X SAN ARROYO 2 4301915885 00505 16S 25E 22	ENRD	*			
X SAN ARROYO 3 4301915886 00505 16S 25E 23	ENRD	*			
X SAN ARROYO 5 4301915888 00505 16S 25E 25	ENRD	*			
X SAN ARROYO 6 4301915889 00505 16S 25E 21	ENRD	*			
X SAN ARROYO 1 4301916532 00505 16S 25E 26	ENRD	*			
X SAN ARROYO 14 4301915895 00510 16S 25E 16	MRSN	*			
X BITTER CREEK #1 4301930047 00515 16S 25E 2	CDMTN	*			
X ARCO-STATE 2-1 4301930240 00520 16S 24E 2	DKTA	*			
X ARCO-STATE 2-2 4301930241 00520 16S 24E 2	DKTA	*			
ENGLISH #1 4303715911 00525 43S 22E 22	PRDX	31	0	171	0
ENGLISH #6 4303715915 00525 43S 22E 16	PRDX	51	0	0	0
ENGLISH #7 4303715916 00525 43S 22E 16	PRDX	51	0	0	0
ENGLISH #9 4303715918 00525 43S 22E 16	PRDX	51	0	0	0
TOTAL			0	171	0

Comments (attach separate sheet if necessary) * SEE COMMENT PAGE 1 OF 6 - Properties
Sold, Effective 9-1-86, To: Buch Corporation

I have reviewed this report and certify the information to be accurate and complete.

Date 1-21-87

Jeff Decker
Authorized signature

JEFF DECKER

Telephone (915) 688-5414

PLEASE COMPLETE FORMS IN BLACK INK



UTAH
NATURAL RESOURCES
Oil, Gas & Mining

355 West North Temple, 3 Triad Center, Suite 350, Salt Lake City Ut
84180-1203. • (801-538-5340)

DOGM 56-64
an equal opportunity employer

Page 1 of 6

MONTHLY OIL AND GAS PRODUCTION REPORT

012918

Operator name and address:

• ARCO OIL & GAS COMPANY
P O BOX 1610
MIDLAND TX 79702
ATTN: REVENUE ACCT/JEFF DECKER

Utah Account No. N0080

Report Period (Month/Year) 12 / 86

Amended Report ☐

Well Name API Number	Entity	Location	Producing Zone	Days Oper	Production Volume		
					Oil (BBL)	Gas (MSCF)	Water (BBL)
X SAN ARROYO 4 4301915887	00500	16S 26E 30	DKTA	*			
X SAN ARROYO 8 4301915890	00500	16S 25E 16	DKTA	*			
X SAN ARROYO 9 4301915891	00500	16S 25E 27	DKTA	*			
X SAN ARROYO 11 4301915892	00500	16S 25E 15	DKTA	*			
X SAN ARROYO 12 4301915893	00500	16S 25E 23	DKTA	*			
X SAN ARROYO 13 4301915894	00500	16S 25E 22	DKTA	*			
X SAN ARROYO 13 4301915894	00500	16S 25E 22	MRSN	*			
X SAN ARROYO 14 4301915895	00500	16S 25E 16	DKTA	*			
X SAN ARROYO 16 4301915896	00500	16S 25E 26	DKTA	*			
X SAN ARROYO 17 4301915897	00500	16S 25E 24	DKTA	*			
X SAN ARROYO 18 4301915898	00500	16S 26E 30	DKTA	*			
X SAN ARROYO 19 4301915899	00500	16S 25E 14	DKTA	*			
X SAN ARROYO 20 4301915900	00500	16S 25E 26	DKTA	*			
TOTAL							

Comments (attach separate sheet if necessary) * PROPERTIES SOLD, EFFECTIVE 9-1-86,
TO: THE BERCH CORPORATION, 410 17TH STREET, DENVER, CO 80202
N9985

I have reviewed this report and certify the information to be accurate and complete.

Date 1-21-87

Jeff Decker
Authorized signature JEFF DECKER

Telephone (95) 688-5414

PLEASE COMPLETE FORMS IN BLACK INK

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

5. LEASE DESIGNATION AND SERIAL NO.
MI-4113
PGW
010620

1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER	2. NAME OF OPERATOR Birch Corporation	3. ADDRESS OF OPERATOR 3801 East Florida Avenue Suite 900 Denver, CO 80210	4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1980 FNL 1980 FEL	5. UNIT AGREEMENT NAME San Arroyo	6. FARM OR LEASE NAME San Arroyo	7. WELL NO. Unit No. 14	8. FIELD AND POOL, OR WILDCAT San Arroyo	9. SEC., T., R., M., OR BLM. AND SURVEY OR AREA Sec. 16 T16S R25E	10. COUNTY OR PARISH Grand	11. STATE Utah
12. AP. NUMBER 43-019-15895	13. ELEVATIONS (Show whether DF, RT, GR, etc.) 7644									

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input checked="" type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input checked="" type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	(Other) <input type="checkbox"/>

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) *

We propose to perforate, acidize and fracture according to the attached procedure.
Fracture design will be for a propped fracture length of approximately 800 feet.

18. I hereby certify that the foregoing is true and correct

SIGNED

Long Amy

TITLE

Operations Manager-

DATE

1/4/88

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

DATE: 1-5-88

BY: *John R. B...*

*See Instructions on Reverse Side

WORKOVER PROCEDURE

San Arroyo Unit No. 14

San Arroyo Field, Grand County, Utah

LOCATION: 1980 FNL, 1980 FEL, Sec. 16, T16S, R25E Grand County, Utah.

ELEVATION: 7644 GR.

TUBULARS: 7" 20# J-55 casing set at 3334'. 4½" 10.5# J-55 casing set at 6549'. 2-3/8" tubing set at 6388'.

OTHER CONDITIONS: Otis sidedoor choke at 6354'. Model "D" Packer at 6388'.

PROCEDURE:

1. Move in workover rig and rig up. Install BOP's. Measure TD with odometer. Remove Model "D" Packer at 6388' with packer plucker or sandline drill.
2. Go in hole with 3-1/8" casing gun and perforate the Cedar Mountain Formation as follows with premium charges:

6177-6187'	1SPF	11 Holes
6134-6137'	1SPF	4 Holes

Run gauge ring.
3. Pick up retrievable bridge plug and retrievable packer. Set bridge at 6450'. Set packer at 6320'.
4. Foam frac existing Morrison perfs at 6426-6442' down tubing. Fracture treatment will be designed later. Flowback.
5. Acidize Cedar Mountain formation perfs at 6177-6187' and 6134-6137' individually with 500 and 250 gallons of 15% HCL respectively. The acid should contain inhibitor, iron sequestering agent, clay stabilizers and non-ionic surfactant with ball sealers. Flowback and evaluate for frac individually.
6. Set bridge plug at 6240'. Set packer at 6110'. Spot sand to 6196' to cover older perfs.
7. Fracture zone down tubing. Flowback.
8. Pull out of hole with bridge plug and packer. Go in hole with 3-1/8" casing gun and perforate as follows with premium charges:

Lower Dakota		
6047-6071'	1SP1½ ft.	17 Holes
Upper Dakota		
5980-6006'	1SP1½ ft.	18 Holes

Run gauge ring.

9. Pick up packer and bridge plug. Go in hole, test and acidize Dakota formations individually using 1,250 gallons of 15% HCL on the lower perfs and 1,500 gallons of 15% HCL on the upper perfs. Use the same additives as specified earlier. Evaluate individually for frac.
10. Set bridge plug at 6080'. Set packer at 5900' Foam frac zones down tubing. Flowback.
11. Pull out of hole with bridge plug and packer. Go in hole open ended to 6350'. Flow well to sales line.

San Arroyo Unit Well # 14
EXISTING CONDITIONS

Elevation: 7644
TD: 6550

9 5/8" Csg. @ 332

20.0" J-55
7" Csg. @ 3334

- 6206
- 6211
- 6215
- 6223
- 6228
- 6232

ACTIVIZED w/ 750 gal NE acid
FRAC: 12,000 gal AW w/ 8,000 # sd.

Model "D" Packer @ 6388

- 6426
- 6442

ACTIVIZED w/ 500 gal NE acid
FRAC: 12,000 gal AW w/ 8,000 # sd.

PBTD @ 6510

4 1/2" Csg. @ 6549
10.5" J-55

Dakota

Morrison

Otis 6354
Sidedoor Choke

POTENTIAL RECOMPLETE IN DAKOTA

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. ML-4113 PGW
2. NAME OF OPERATOR Birch Corporation		6. IF INDIAN, ALLOTTEE OR TRIBE NAME 031002
3. ADDRESS OF OPERATOR 3801 East Florida Suite 900 Denver CO 80210		7. UNIT AGREEMENT NAME San Arroyo
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1980' FNL 1980' FEL DKTA		8. FARM OR LEASE NAME San Arroyo
14. API NUMBER 43-09-15895-MFSN		9. WELL NO. Unit No. 14
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 7644' GL.		10. FIELD AND POOL, OR WILDCAT San Arroyo
		11. SEC., T., R., M., OR BLM. AND SURVEY OR AREA Sec. 16 T16S, R25E
		12. COUNTY OR PARISH 13. STATE Grand Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐

FRACTURE TREAT ☐

SHOOT OR ACIDIZE ☐

REPAIR WELL ☐

(Other) ☐

PULL OR ALTER CASING ☐

MULTIPLE COMPLETE ☐

ABANDON* ☐

CHANGE PLANS ☒

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐

FRACTURE TREATMENT ☐

SHOOTING OR ACIDIZING ☐

(Other) ☐

REPAIRING WELL ☐

ALTERING CASING ☐

ABANDONMENT* ☐

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

A workover of this well has been recently approved and a twin well, the San Arroyo Unit Well #38, has been drilled. The new well was not productive in the lower Entrada, and it will be completed across the Morrison, Cedar Mountain and Dakota intervals. It is proposed to plug and abandon this well by removing tubing, setting a cast iron bridge plug at 6380', setting a 25 sack cement plug from 6380'-6100', setting a cast iron bridge plug at 6090', and plugging the surface with 0-50' of cement.

18. I hereby certify that the foregoing is true and correct

SIGNED John R. [Signature]

TITLE Operations Manager

DATE 2/26/81

(This space for Federal or State office use)

APPROVED BY _____

CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

**APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING**

DATE: 3-7-88

BY: [Signature]

*See Instructions on Reverse Side

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NO. ML-4113 PGW
2. NAME OF OPERATOR Birch Corporation		6. IF INDIAN, ALLOTTEE OR TRIBE NAME 030918
3. ADDRESS OF OPERATOR 3801 East Florida Suite 900 Denver CO 80210		7. UNIT AGREEMENT NAME San Arroyo
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 1980' FNL 1980' FEL		8. FARM OR LEASE NAME San Arroyo
14. API NUMBER 43-019-15895 <i>Dota MASN</i>		9. WELL NO. Unit No. 14
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 7644' GL.		10. FIELD AND POOL, OR WILDCAT San Arroyo
		11. SEC., T., R., M., OR B.L. AND SURVEY OR AREA Sec. 16 T16S, R25E
		12. COUNTY OR PARISH Grand
		13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐

FRACTURE TREAT ☐

SHOOT OR ACIDIZE ☐

REPAIR WELL ☐

(Other) ☐

PULL OR ALTER CASING ☐

MULTIPLE COMPLETE ☐

ABANDON* ☐

CHANGE PLANS ☒

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐

FRACTURE TREATMENT ☐

SHOOTING OR ACIDIZING ☐

(Other) ☐

REPAIRING WELL ☐

ALTERING CASING ☐

ABANDONMENT* ☐

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

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18. I hereby certify that the foregoing is true and correct

SIGNED *John R. Baza*

TITLE Operations Manager

DATE 2/24/89

(This space for Federal or State office use)

APPROVED BY _____

CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

DATE: 3-2-89

BY: Original Signed by John R. Baza

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*
(Other instructions on re-
verse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

OIL ☐ GAS ☒
WELL WELL OTHER

RECEIVED
JUN 9 1988

2. NAME OF OPERATOR

Birch Corporation

DIVISION OF
OIL, GAS & MINING

3. ADDRESS OF OPERATOR

3801 East Florida Avenue Suite 900 Denver CO 80210

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*

See also space 17 below.)
At surface

1980' FNL, 1980' FEL

14. PERMIT NO.

43-019-15895

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

7644' GL.

5. LEASE DESIGNATION AND SERIAL NO.

ML-4113

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

San Arroyo

8. FARM OR LEASE NAME

San Arroyo

9. WELL NO.

Unit No. 14

10. FIELD AND POOL, OR WILDCAT

San Arroyo

11. SEC., T., R., M., OR BLK. AND

SURVEY OR AREA
Sec. 16 T16S, R25E

12. COUNTY OR PARISH

Grand

13. STATE

Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐

FRACTURE TREAT ☐

SHOOT OR ACIDIZE ☐

REPAIR WELL ☐

(Other) ☐

PULL OR ALTER CASING ☐

MULTIPLE COMPLETE ☐

ABANDON* ☐

CHANGE PLANS ☒

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐

FRACTURE TREATMENT ☐

SHOOTING OR ACIDIZING ☐

(Other) ☐

REPAIRING WELL ☐

ALTERING CASING ☐

ABANDONMENT* ☐

(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

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proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones perti-
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18. I hereby certify that the foregoing is true and correct

SIGNED: 

TITLE Operations Manager

DATE 6/3/88

(Not to be used for Federal or State office use)

ADDITIONAL APPROVALS:

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

RECEIVED
JUN 9 1988

7

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

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Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. ML-4113
2. NAME OF OPERATOR Birch Corporation		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR 3801 East Florida Avenue Suite 900 Denver CO 80210		7. UNIT AGREEMENT NAME San Arroyo
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface		8. FARM OR LEASE NAME San Arroyo
14. API NUMBER 43-019-15895		9. WELL NO. Unit #14
15. ELEVATIONS (Show whether DF, ST, CR, etc.)		10. FIELD AND POOL, OR WILDCAT San Arroyo
		11. SEC., T., R., M., OR B.L. AND SURVEY OR AREA Sec. 16 T16S R25E
		12. COUNTY OR PARISH Grand
		13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input checked="" type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

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This well was temporarily abandoned as detailed in the attached report. Work commenced 2-13-88 and was completed 6-2-88.

*pm said
he may have
been confused
when he changed
this. There are 2
wells at this
location. Per fm,
well is
PAID.
DTs
5-11-89*

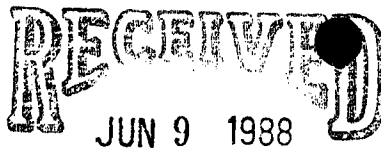
18. I hereby certify that the foregoing is true and correct

SIGNED [Signature] TITLE Operations Manager DATE 6/3/88

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:



San Arroyo Unit #14
Sec. 16 T16S-R25E
Grand County, Utah

DIVISION OF
OIL, GAS & MINING

2-13-88 - Rigging up. Casing size: 4 1/2" 10.5#. Move rig in - no anchors. Spot rig, move in pump, tank, & BOP equipment. Shut down.

DC: \$1655
CC: \$1655

2-14-88 - Present operations: Attempting to pull tubing free. Stretch indicates tubing stuck about 2000'. Set anchors, rig up. Install BOPE, pull out of hole with 6386.01 ft. 2 3/8" tubing and seal assembly. Found one joint of tubing across perforations was full of holes. Recovered side door choke. Rig up Dyna-Jet and set CIBP @ 6380'. Trip in hole with 6373' of tubing, rig up Dowell, and pump 25 sx class "G" cement. Balance plug w/ 24 bbls of water. Pulled 20 jts of tubing. Reversed out tubing with 38 bbls of water. No cement. SDFN.

DC: \$4046
CC: \$5701

2-15-88 - Present operations: Running free point. Pick up on tubing. Tubing was stuck. worked tbg for 1 hr. Pulled 35,000# above string weight. No success. Stretch indicates tbg stuck at 2100'. Fill tbg w/ 8.7 bbls of water. Pressure to 1500 psi. Had a slow bleed off. Fill csg w/ 8.75 bbls of water. Pressure to 1500#. Pressured tbg to 2000#. Bled off to 0 in 5 min w/ small drip from csg. Pressured tbg to 2000# again. Bled to 0 in 3 min. Pump 4 bbls, bled to 0 in 3 min. Pump 4 bbls down tbg at 3/4 bbls/min at 2200#. RU Dyna-Jet, run sinker bar to 6372. No cement in tbg or bottom of csg. Run free pt. Tbg free at 3100' indicated stuck at 3125. Run chemical cutter, cut pipe at 3066'. Could not pull pipe free. RU new free pt tool & SDON.

DC: \$2492
CC: \$8193

2-16-88 - Run free point. Tubing stuck @ 2725'. Free at 2700'. Run chemical cutter and cut tubing @ 2664' from G.L. POOH w/ 84 jts and cut off stub. Total of 2672.16 tbg. Run 3.70" gauge ring to 2640'. Set CIBP @ 2631'. ND BOP equip. Install wellhead. RD rig and move to SAU #38. Bottom 30' of tbg had cement on outside.

DC: \$5469
CC: \$13,662

RECEIVED
JUN 9 1988

San Arroyo Unit #14

DIVISION OF
OIL, GAS & MINING

Page 2

2-17-88 - No report.
2-18-88 - No report.
6-01-88 - Remove wing valves and pump 5 sx portland cement.
6-02-88 - Remove braden head and install dry hole marker.

Birch Corp

API 43-019-158.95

2-12-88
SRB

San Arroyo Unit #14

Sec. 16, T.16S, R25E

John Gordon
(303) 245-1958

Plugging Instructions

9 $\frac{5}{8}$ " csg. @ 332'

7" csg. @ 3334'

4 $\frac{1}{2}$ " csg. @ 6549'

Plugs:

- ① Pump small amount of cement down tbq. into Morrison interval.
- ② Sting out of pkr. or cut tbq.
- ③ Set cement retainer over Dakota perms (no deeper than 6200').
- ④ Squeeze cement into retainer, sting out & let cement fall on top of retainer.
- ⑤ Set 50' surface plug. All csg. annulus open to surface must be plugged.

1 set CBP @ 6380'

2 set CBP @ 6050'

2-12-88
SRB

San Arroyo Unit # 14
Sec. 16, T.16S, R25E

John Gordon
(303) 245-1958

Plugging Instructions

9⁵/₈" csg. @ 332'
7" csg. @ 3334'
4¹/₂" csg. @ 6549'

Plugs:

- ① Pump small amount of cement down tbg. into Morrison interval.
- ② Sting out of pkr. or cut tbg.
- ③ Set cement retainer over Dakota perms (no deeper than 6200').
- ④ Squeeze cement into retainer, sting out & let cement fall on top of retainer.
- ⑤ Set 50' surface plug. All csg. annulus open to surface must be plugged.

Birch Corp.

2-12-33

SRE

San Arroyo Unit # 14, Sec. 16, T16S, R25EP & A Calculations

$9\frac{5}{8}" @ 332'$
 $7" @ 3334' \quad w/ 275 \text{ SK}$
 $4\frac{1}{2}" @ 6549' \quad w/ 300 \text{ SK}$

Perfs. @ $6206 - 6211$ }
 $6215 - 6223$ } Dakota } Model
 $6228 - 6232$ }
 $6426 - 6442 - \text{Morrison}$

Assume $6\frac{1}{4}"$ hole behind $4\frac{1}{2}"$ pipe:

→ $0.1026 \text{ ft}^3/\text{ft}$ between csg. & hole.

Assume 1:1 ratio of ft^3/sk yield.

$$\frac{300 \text{ ft}^3}{0.1026 \text{ ft}^3/\text{ft}} = 2924' \text{ of cement column.}$$

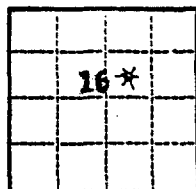
$$4\frac{1}{2}" \text{ Cement top @ } (6549 - 2924) = \underline{3625'}$$

Assume $8\frac{3}{4}"$ hole behind $7"$ pipe:

→ $0.1503 \text{ ft}^3/\text{ft}$ between csg. & hole

$$\frac{275 \text{ ft}^3}{0.1503 \text{ ft}^3/\text{ft}} = 1830' \text{ of cement column}$$

$$7" \text{ Cement top. @ } (3334' - 1830') = \underline{1504'}$$

~~PAPER RECORD~~
STATE LANDUNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
CONSERVATION DIVISION

INDIVIDUAL WELL RECORD

Date October 3, 1966Section 16T. 16 S.R. 23 E.S. L. Mer.

API 43-019-15895

Reference No. 19State UtahLessee or owner _____ County GrandField San Arroyo (Unit) 89/1003859AOperator BAXX Corporation Graham Royalty, Ltd
Stinebaugh Oil & Gas CompanyDistrict Salt Lake CityWell No. 16 Subdivision C SW/4Location 1920' from N. line and 1920' from E. line of sec. 16Drilling approved October 3, 19 62 Well elevation 7644 Gr. feet.Drilling commenced October 9, 19 62 Total depth 6550 PR 6510 feet.Drilling ceased October 23, 19 62 Initial production K_d - 663 MCFGD
J_m - 834 MCFGDCompleted for production Nov. 14, 19 62 Gravity A. P. I. _____SRA Abandonment approved August 10, 19 88 Initial R. P. _____FAN Approved 12/6/93

Geologic Formations

Productive Horizons

Surface	Lowest tested	Name	Productive Horizons	Contents
<u>Mesaverde</u>	<u>Morrison</u>	<u>Cedar Mountain</u>	<u>(6208-71)</u>	
			<u>(6215-23)</u>	<u>Gas</u>
			<u>(6228-32')</u>	
		<u>Morrison</u>	<u>6426-42'</u>	<u>Gas</u>

WELL STATUS

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
1962										Drig	FCN	
1988								SRA Approved 8/10/88				
1993												FAN

REMARKS _____

DUAL COMPLETION

(REPLACEMENT)

(OVER)